FIG 1

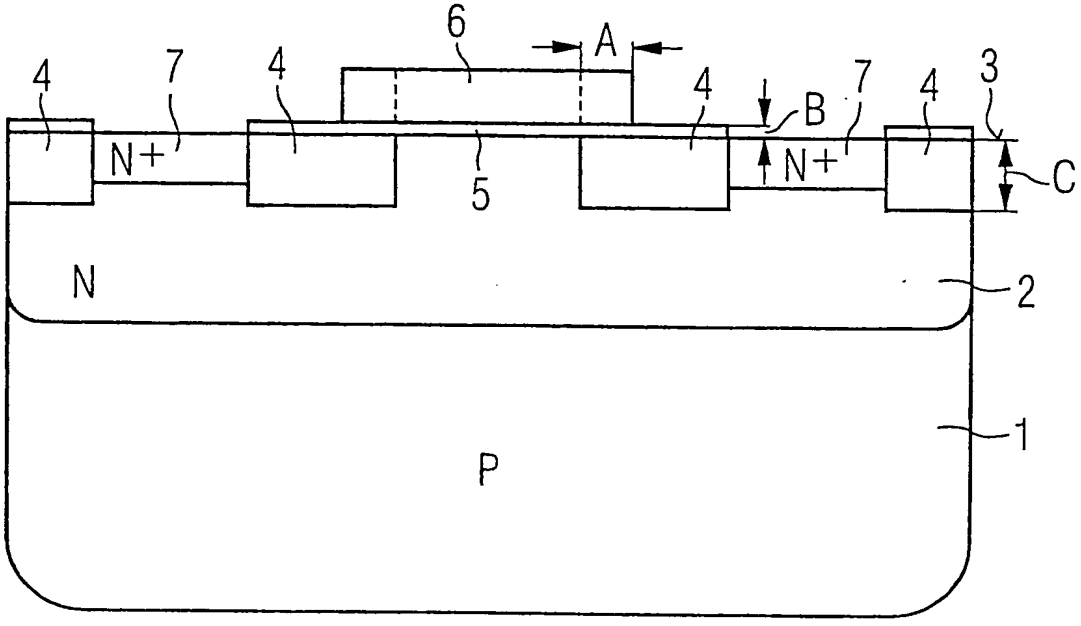


FIG 2

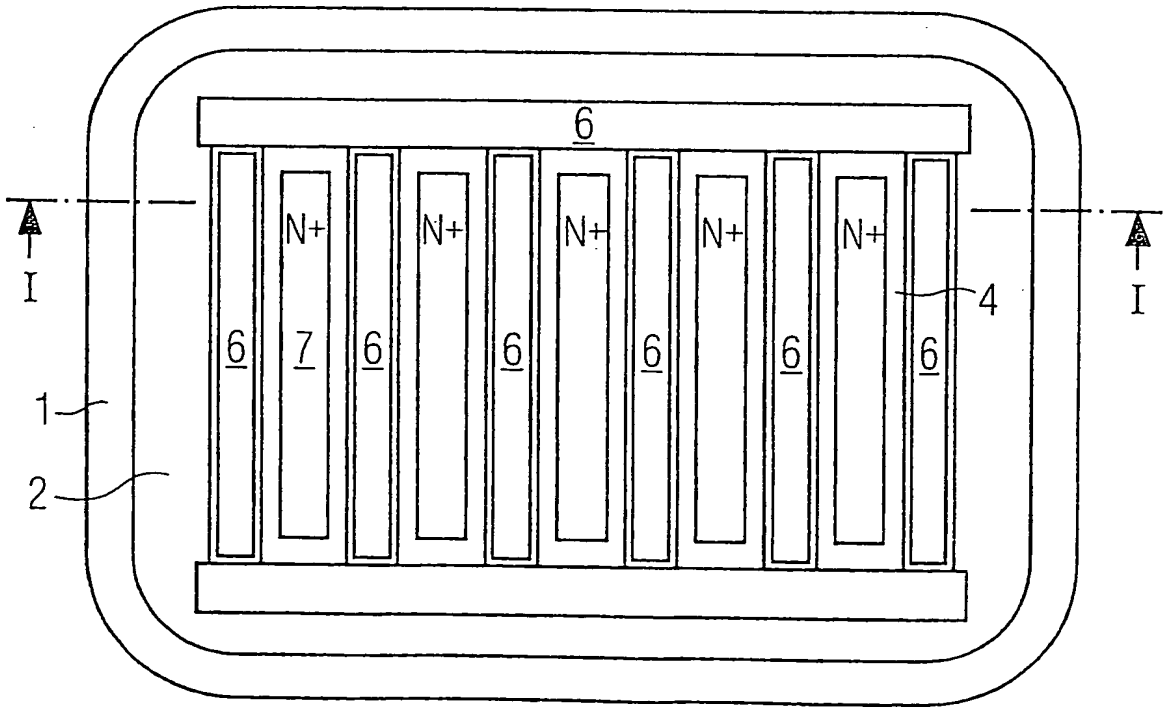


FIG 3

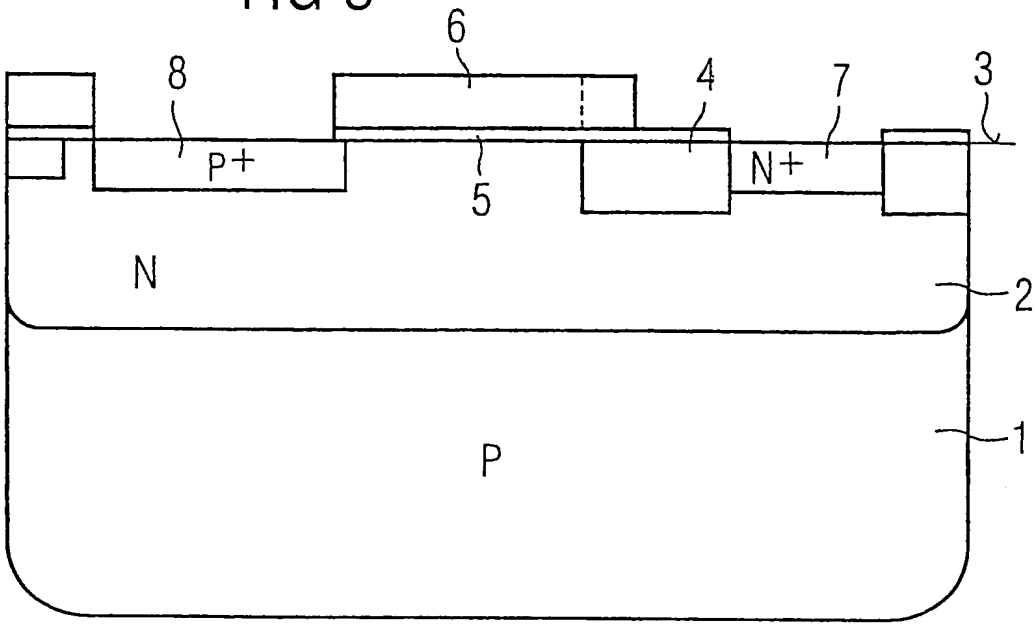


FIG 4

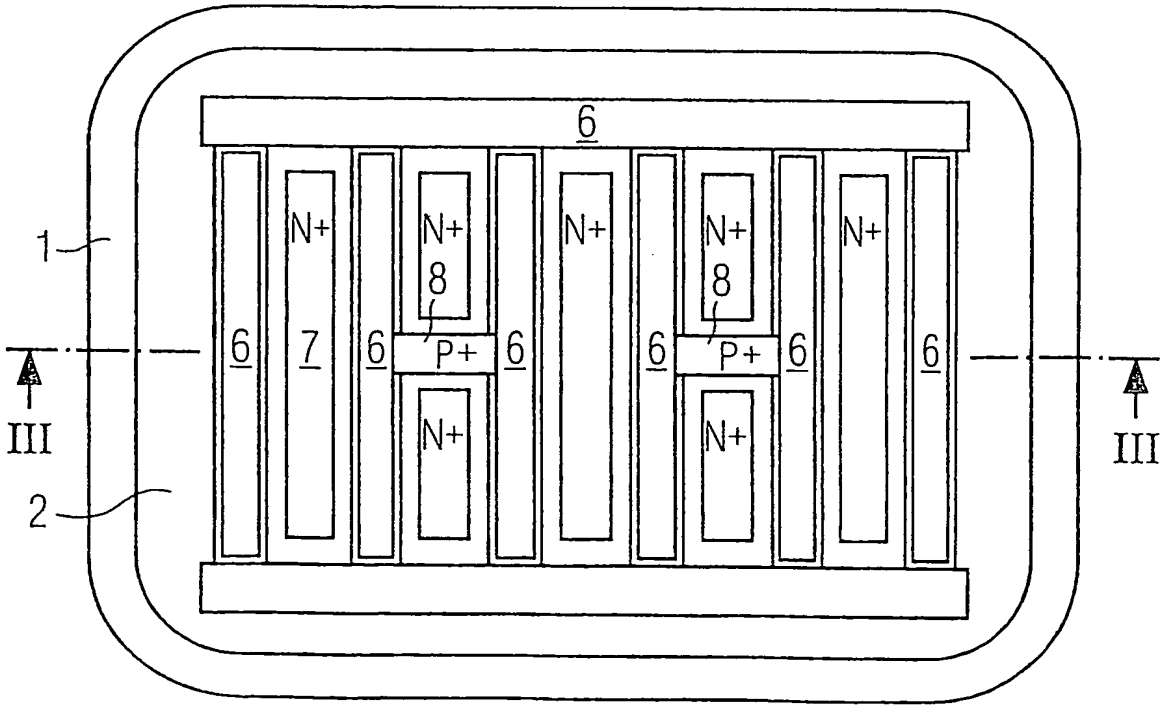


FIG 5

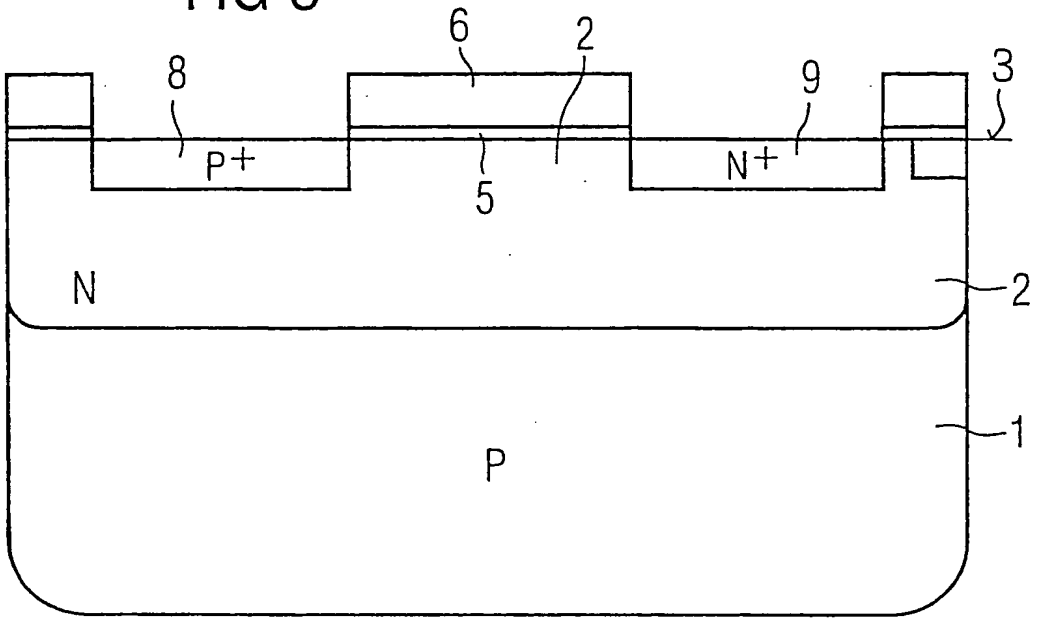


FIG 6

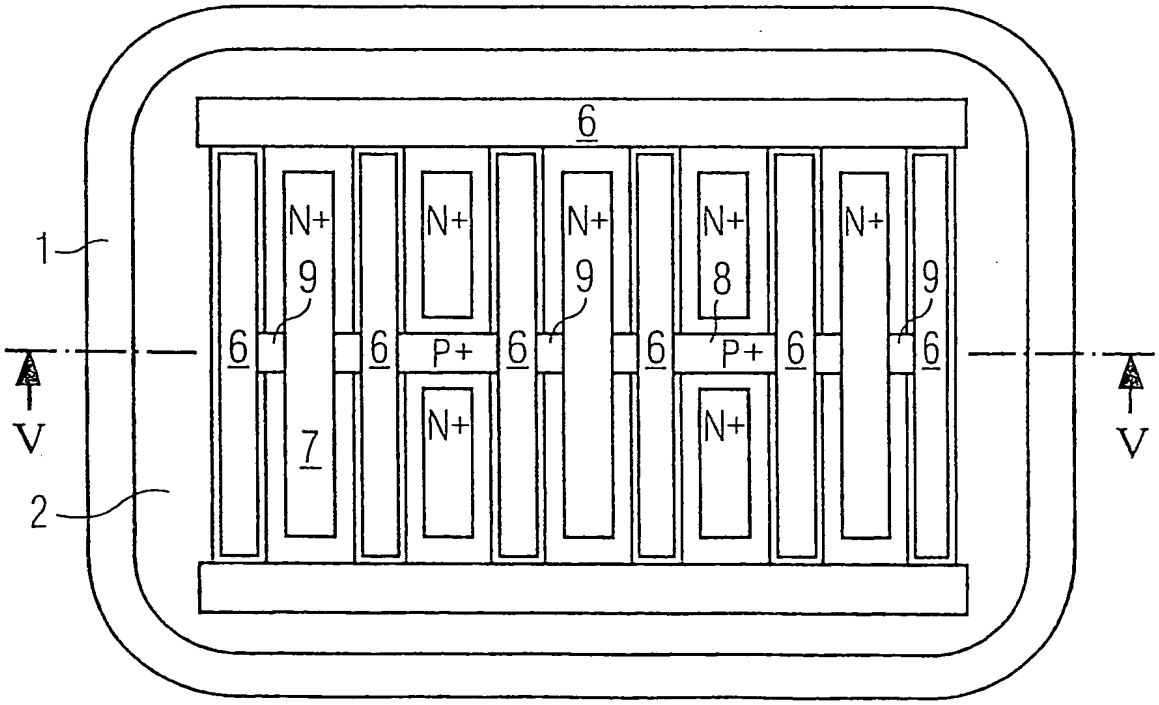


FIG 7

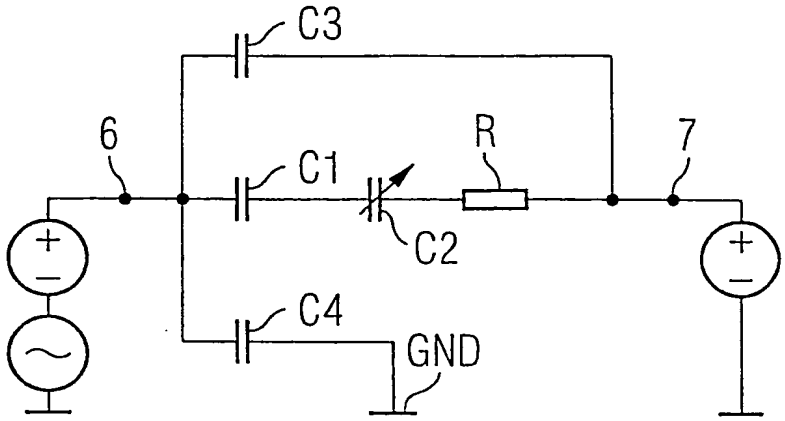
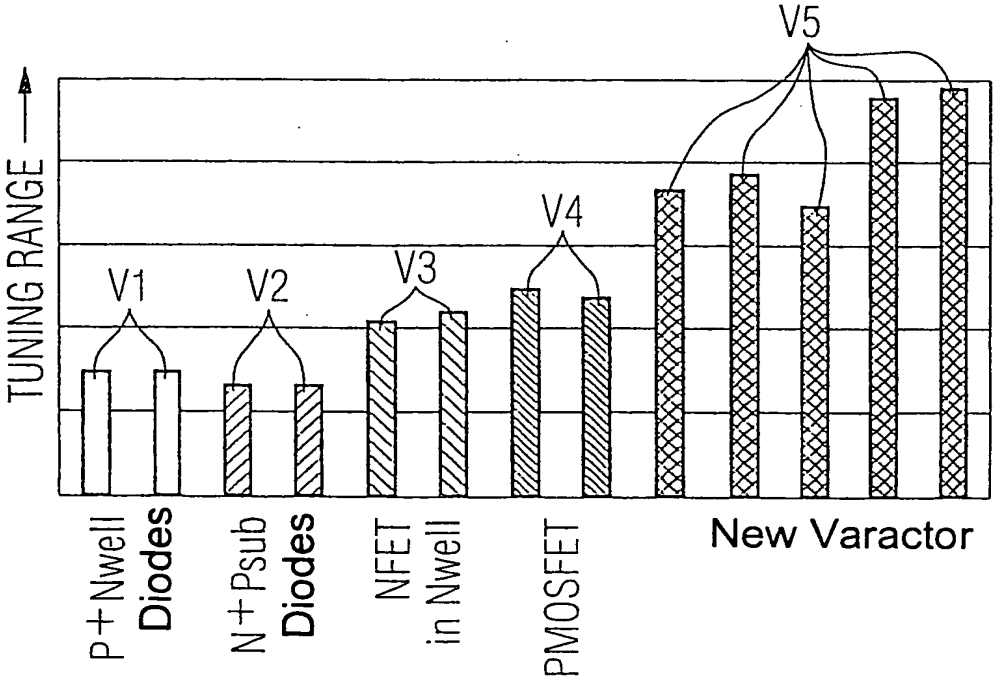

C3
6
C1
R
7
C2
C4
GND

FIG 8


V5
TUNING RANGE
V4
V1
V2
V3
P+Nwell Diodes
N+Psub Diodes
NFET in Nwell
PMOSFET
New Varactor